

IN THE SPECIFICATION:

At Page 1, please add the following heading before heading “BACKGROUND OF THE INVENTION”:

CROSS REFERENCE TO RELATED APPLICATIONS

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This application claims the benefit of Japanese Application No. 2002-330665 filed November 14, 2002.

At Page 11, lines 11 to 21:

Moreover, insert members 312 and 322 of a shape conforming to the grooves 310 and 320 are employed. The insert members 312 and 322 are appropriately conforming to the grooves 310 and 320 for adjusting the static magnetic field strength. An exemplary material employed for the insert members 312 and 322 is iron similar to that of the columnar yoke 12, although a magnetic material having a higher or lower magnetic permeability may be used taking into account the effect of correction on the static magnetic field strength. Although the insert members 312 and ~~320~~ 322 are configured to have a shape conforming to the grooves 310 and 320, the effect of correction on the static magnetic field strength may be modified by changing their thickness in the x-direction and length in the y-direction.

At Page 14, lines 7 to 10:

Although the magnetic resistances of the columnar yokes 12 and 13 are equal in Embodiment 1, they may be differentiated by adjustment of the insert member 312 or ~~313~~ 322 to adjust homogeneity of the magnetic flux generated in the space.

At Page 15, lines 14 to 19:

Since the columnar yoke 512 has a smaller cross-sectional area in an x-y cross section that includes any one of through holes 521 – ~~513~~ 523, the magnetic resistance is increased, thus reducing the magnetic flux according to Equation (1). Moreover, the magnetic resistance of the columnar yoke 512 can be adjusted more finely to finely adjust the magnetic flux with high accuracy by changing the length, material or the like of the ~~filling~~ filling members 531 - 533.

At Page 17, lines 10 to 19:

The columnar yoke ~~512~~ 712 has the different-material portion 721. The different-material portion 721 lies at a bending portion at which the base yoke 11 and columnar yoke 712 are joined. The different-material portion 721 is composed of a material having a different magnetic permeability from that of the columnar yoke 712, such as Permalloy, and it reduces the magnetic resistance of the columnar yoke 712, especially suppresses an increase of the magnetic resistance that occurs at the bending portion, and reduces leak magnetic flux. Moreover, variation in the magnetic flux due to the permanent magnets 30 and 31 can be controlled by adjusting the thickness of the different-material portion 721 in the manufacture process.